

ABSTRACT OF THE DISCLOSURE

A nanowire including a core portion 12 made of a carbon  
nanotube having at least one layer of a graphene sheet 12a,  
5 12b, and a functional layer 14 formed around the core portion  
12 and having at least one layer of a modified graphene sheet  
in which a graphene sheet has been modified; a method for  
producing the nanowire; a nanonetwork using the nanowires; a  
method for producing the nanonetwork; a carbon structure using  
10 the nanowire; and an electronic device using the nanowire.